Manitoba

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MANITOBA VITAL STATISTICS

1985

A REGIONAL ANALYSIS

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I. EXECUTIVE SUMMARY

BIRTHS

There were 17,513 live births in Manitoba during 1985. Of these, 11,496 (65.6%) occurred in Winnipeg. The North region had the highest birth rate with 20.4 births per thousand population followed by Winnipeg with a birth rate of 19.5. The lowest birth rate was in the Interlake region, where it was 6.1. The Southeast also had a low birth rate at 6.2. For Manitoba, the birth rate was 16.4 births per thousand population.

There were 8,926 (51.0%) male births and 8,587 (49.0%) female births. For every 1,000 males in the population, there were 16.9 male births, compared to 15.8 female births for every 1,000 females in the population. Male births outnumbered female births in all regions except Parklands.

DEATHS

There were 8,830 deaths in Manitoba during 1985. There were 5,298 (60.0%) in Winnipeg alone. The region with the highest death rate was the Southwest, with 10.5 deaths per thousand population. Parklands was second highest with a rate of 9.7. The North region had the lowest death rate, with 4.2. The Southeast also had a low death rate of 5.4. The death rate was 8.3 for Manitoba.

There were 4,940 (55.9%) male deaths, compared to 3,890 (44.1%) female deaths. The death rates for males were higher than those for females in all 8 Economic Regions. For Manitoba, the male death rate was 9.4, while the female death rate was 7.2.

STILLBIRTHS

The number of stillbirths in Manitoba during 1985 was 123. Of these stillbirths, 88 (71.5%) occurred in Winnipeg. The North had the second highest number at 13 (10.6%). There were no stillbirths recorded in the Southwest during 1985.

The rate of male stillbirth was 7.3 per 1,000 male live births, while the rate of female stillbirth was 6.8 per 1,000 female live births. For Manitoba, the rate of stillbirth was 7.0 per 1,000 live births.

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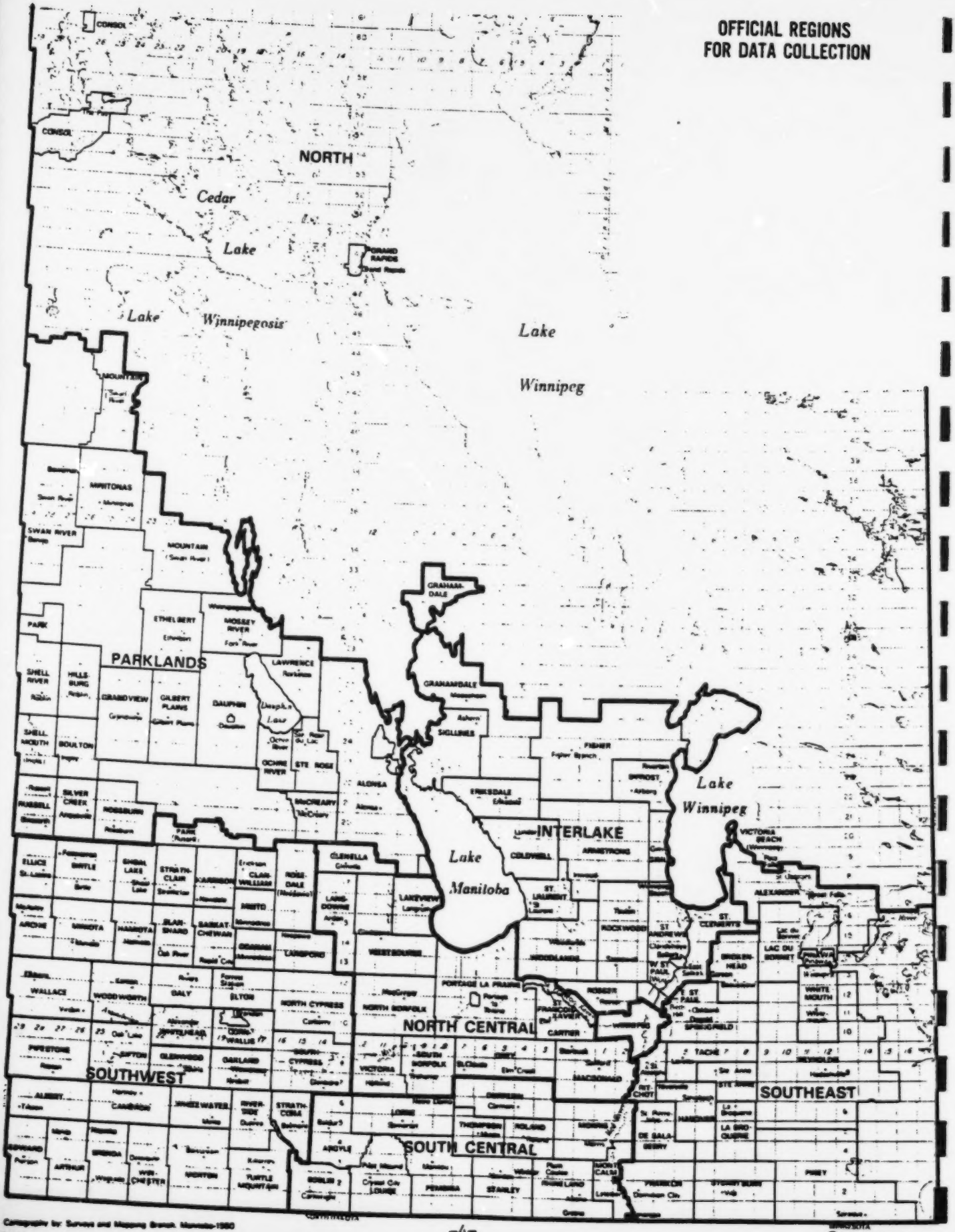
OFFICIAL REGIONS FOR DATA COLLECTION



Cartography by: Surveys and Mapping Branch, Manitoba-1980

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II. INTRODUCTION

This article presents the data of the vital statistics (births, deaths, and stillbirths) in the year 1984 for the province of Manitoba. The tables were constructed using data that was reported by the Vital Statistics Branch, Department of Community Services and Corrections. This data refers to events that occurred in Manitoba and involved Manitobans by place of occurrence. Where all characteristics of an event have not been recorded, the vital event has been omitted from the statistical tables.

The population figures used are from the Statistics Canada 1985 postcensal annual estimates of population, rounded to the nearest hundred. Where population estimates by sex were not available, population projections by sex, from the Manitoba Bureau of Statistics, were used to derive the approximate distribution of the population by sex. The Statistics Canada estimate was then broken down according to this distribution.

Manitoba is divided into 8 Official Regions for Data Collection (also known as Economic Regions). The following table illustrates the association between data collection region, economic region, and census division.

OFFICIAL REGION FOR DATA COLLECTION	ECONOMIC REGION	CENSUS DIVISION
South East	60	1,2,12
South Central	61	3,4
South West	62	5,6,7,15
North Central	63	8,9,10
Winnipeg	64	11
Interlake	65	13,14,18
Parklands	66	16,17,20
North	67	19,21,22,23

The map also illustrates these relationships.

Further information and custom data tabulations on the 1985 vital statistics can be obtained from the Manitoba Bureau of Statistics by contacting David Greenwood at 945-2989.

TABLE I MANITOBA 1985 VITAL STATISTICS BY ECONOMIC REGION BOTH SEXES

REGION	POPN IN 000'S (JUNE 1)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	73.0	449	1	393	56	6.2	2.2	5.4	0.8
SOUTH CENTRAL	50.4	673	0	392	281	13.4	0.0	7.8	5.6
SOUTHWEST	111.0	1740	7	1163	577	15.7	4.0	10.5	5.2
NORTH CENTRAL	46.8	538	4	308	230	11.5	7.4	6.6	4.9
WINNIPEG	590.0	11496	88	5298	6198	19.5	7.7	9.0	10.5
INTERLAKE	70.9	436	2	440	-4	6.1	4.6	6.2	-0.1
PARKLANDS	53.7	669	8	522	147	12.5	12.0	9.7	2.7
NORTH	74.1	1512	13	314	1198	20.4	8.6	4.2	16.2
MANITOBA	1069.6	17513	123	8830	8683	16.4	7.0	8.3	8.1

NOTE: RATES FOR LIVE BIRTHS, DEATHS, AND NATURAL INCREASE ARE PER 1000 POPULATION.
RATE FOR STILLBIRTHS IS PER 1000 LIVE BIRTHS.

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS
STATISTICS CANADA 1985 PRELIMINARY POSTCENSAL POPULATION ESTIMATE

III. REGIONAL ANALYSIS

In Manitoba, there were 17,513 live births. As shown in Table I, it can be seen that Winnipeg accounted for more live births than any other region, with 11,496 (65.6%). The Interlake had the fewest with 436 (2.5%). The North had the highest birth rate with 20.4 births per 1,000 population followed by Winnipeg with a birth rate of 19.5. The birth rates in all other regions were lower than the Manitoba rate of 16.4. The Interlake and Southeast had the lowest birth rates at 6.1 and 6.2 respectively.

The number of stillbirths in Manitoba was 123. Winnipeg accounted for 88 (71.5%) of these stillbirths. The rate of stillbirth was highest in the Parklands region, where there were 12.0 stillbirths per 1,000 live births in that region. The South East region had the lowest rate for those regions reporting stillbirths at 2.2. The South Central region did not report a stillbirth, while the other regions had stillbirth rates close to the Manitoba figure of 7.5.

There were 8,830 deaths in Manitoba during 1984. Winnipeg had 5,298 (60.0%) of these deaths. The North had the fewest deaths, with 314 (3.6%). The death rate for Manitoba was 8.3 per 1,000 population. The highest death rate was in the Southwest, where it was 10.5. Parklands also had a high rate (9.7), while the lowest death rates were found in the South East (5.4), and the North (4.2).

MALES

Referring to Table II, there were 8,926 male births in Manitoba. Of these, 5,846 (65.5%) occurred in Winnipeg. The Interlake had the fewest male births with 234 (2.6%). The rate of births for males in Manitoba was 16.9 male births per 1,000 males in the population. Winnipeg's male birth rate was the highest at 20.6. The North and South West regions also had high rates, while the South East and Interlake had the lowest, at 6.1 and 6.4 males per 1,000 males in their populations.

Of the 65 male stillbirths in Manitoba, 42 (64.6%) occurred in Winnipeg. No other region had more than 8 stillbirths. The rate of male stillbirth in Winnipeg was 7.2 stillbirths per 1,000 male live births. The Parklands had a male stillbirth rate of 21.1, considerably above the Manitoba figure of 7.3.

From Table II, deaths of males in Manitoba numbered 4,940, with 2,888 (58.5%), taking place in Winnipeg. The North Central region had the fewest male deaths with 164 (3.3%). The Southwest had the highest male death rate with 12.0 male deaths per 1,000 males in its population. There were also high male death rates in the Parklands (11.1) and Winnipeg (10.2). The lowest male death rates were found in the North (5.6) and Southeast (5.9).

TABLE II MANITOBA 1985 VITAL STATISTICS BY ECONOMIC REGION MALES

REGION	POPN IN 000'S (JUNE 1)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	37.5	229	1	221	8	6.1	4.4	5.9	0.2
SOUTH CENTRAL	25.3	351	0	222	129	13.9	0.0	8.8	5.1
SOUTHWEST	55.0	874	4	661	213	15.9	4.6	12.0	3.9
NORTH CENTRAL	23.7	275	1	164	111	11.6	3.6	6.9	4.7
WINNIPEG	284.3	5846	42	2888	2958	20.6	7.2	10.2	10.4
INTERLAKE	36.3	234	2	265	-31	6.4	8.5	7.3	-0.9
PARKLANDS	27.2	331	7	302	29	12.2	21.1	11.1	1.1
NORTH	38.6	786	8	217	569	20.4	10.2	5.6	14.7
MANITOBA	527.9	8926	65	4940	3986	16.9	7.3	9.4	7.6

TABLE III MANITOBA 1985 VITAL STATISTICS BY ECONOMIC REGION FEMALES

REGION	POPN IN 000'S (JUNE 1)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	35.5	220	0	172	48	6.2	0.0	4.8	1.4
SOUTH CENTRAL	25.1	322	0	170	152	12.8	0.0	6.8	6.1
SOUTHWEST	56.0	866	3	502	364	15.5	3.5	9.0	6.5
NORTH CENTRAL	23.1	263	3	144	119	11.4	11.4	6.2	5.2
WINNIPEG	305.5	5650	46	2410	3240	18.5	8.1	7.9	10.6
INTERLAKE	34.6	202	0	175	27	5.8	0.0	5.1	0.8
PARKLANDS	26.5	338	1	220	118	12.8	3.0	8.3	4.5
NORTH	35.5	726	5	97	629	20.5	6.9	2.7	17.7
MANITOBA	541.8	8587	58	3890	4697	15.8	6.8	7.2	8.7

NOTE: RATES FOR LIVE BIRTHS, DEATHS, AND NATURAL INCREASE ARE PER 1000 POPULATION.
RATE FOR STILLBIRTHS IS PER 1000 LIVE BIRTHS.

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

FEMALES

As illustrated in Table III, there were 8,587 female live births in Manitoba. Once again, the majority, 5,650 (65.8%) occurred in Winnipeg. The Interlake region registered the fewest female births with 202 (2.4%). The female birth rate for Manitoba was 15.8 per 1,000 females in the population. The North had the highest female birth rate at 20.5. Winnipeg (18.5) and the Southwest (15.5) also had high female birth rates, while the Interlake had the lowest female birth rate at 5.8.

There were 58 female stillbirths in Manitoba, 46 (79.3%) of which occurred in Winnipeg. There were no female stillbirths recorded in the Southeast, South Central and Interlake regions during 1985. The rate of female stillbirth in Manitoba was 6.8 per 1,000 female live births. The highest rates were recorded in the North Central (11.4), Winnipeg (8.1) and North (6.9) regions. Other rates reported were 3.0 in Parklands and 3.5 in Southwest.

The number of female deaths in Manitoba totalled 3,890. Winnipeg accounted for 2,410 (62.0%). The North had the fewest with 97 (2.5%). The highest female death rates were in the Southwest and Parklands regions where there were 9.0 and 8.3 female deaths respectively for every 1,000 females in the population. The lowest female death rates were in the Interlake (5.1), Southeast (4.8) and the North (2.7). The female death rates for the rest of the regions were close to the provincial figure of 7.2.

TABLE IV

MANITOBA 1985 BIRTHS AND STILLBIRTHS BY WEIGHT

WEIGHT	MALES			FEMALES			BOTH SEXES		
	LIVE BIRTHS	STILL BIRTHS	STILL BIRTH RATE	LIVE BIRTHS	STILL BIRTHS	STILL BIRTH RATE	LIVE BIRTHS	STILL BIRTHS	STILL BIRTH RATE
UNDER 500 g	7	8	1142.9	9	8	888.9	16	16	1000.0
500 - 999 g	32	15	468.8	22	9	409.1	54	24	444.4
1000-1499 g	45	10	222.2	28	2	71.4	73	12	164.4
1500-1999 g	104	2	19.2	95	4	42.1	199	6	30.2
2000-2499 g	288	5	17.4	314	9	28.7	602	14	23.3
2500-2999 g	967	7	7.2	1277	8	6.3	2244	15	6.7
3000-3499 g	2869	6	2.1	3310	6	1.8	6179	12	1.9
3500-3999 g	3109	5	1.6	2593	3	1.2	5702	8	1.4
4000-4499 g	1207	3	2.5	803	1	1.2	2010	4	2.0
4500-4999 g	245	1	4.1	114	0	0.0	359	1	2.8
5000-5499 g	40	0	0.0	14	0	C.0	54	0	0.0
5500-5999 g	5	0	0.0	1	0	0.0	6	0	0.0
6000-6499 g	0	0	**	1	0	0.0	1	0	0.0
OVER 6500 g	1	0	0.0	3	0	0.0	4	0	0.0
UNKNOWN	7	3	428.6	3	8	2666.7	10	11	1100.0
TOTALS	8926	65	7.3	8587	58	6.8	17513	123	7.0

NOTE: STILLBIRTH RATE IS PER 1000 LIVE BIRTHS.

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

IV. WEIGHT-SPECIFIC BIRTHS AND STILLBIRTHS

Table IV shows that there were few live births in the extreme weight classes. Most of the live births occurred between the weights 2500 grams and 4499 grams. There were 6,179 (35.3%) live births between 3000 g and 3500 g, the most for any one weight class. Four births were recorded at over 6500 grams.

The most stillbirths occurred between 500 g and 999 g of weight. This weight class had 24 (19.5%) of the stillbirths, a stillbirth rate of 444.4 per 1,000 live births. The heaviest stillbirth was recorded in the 4500 g to 4999 g weight class. The highest stillbirth rate (1000.0) was recorded in the Under 500 g weight class.

MALES

The male live births followed the same general pattern as above. There were 3,109 (34.8%) male live births between 3500 g and 3999 g in weight, more than in any other weight class.

The most stillbirths occurred between 500 g and 999 g in weight, where there were 15 (23.1%). The highest male stillbirth rate was for those less than 500 g in weight. There were 1142.9 male stillbirths per 1,000 male live births of this weight (based on 7 live births and 8 stillbirths).

FEMALES

The female live births also followed the same general pattern as above with 3,310 (38.5%) of the female live births between 3000 g and 3499 g in weight.

The most stillbirths (9 or 15.5% of all female stillbirths) occurred in the 500 g to 999 g and in the 2000 to 2499 g weight class. The former weight class had the second highest female stillbirth rate, 409.1 female stillbirths per 1,000 live female births in this class. The highest rate of female stillbirths (888.9) occurred in the Under 500 g weight class.

TABLE V

MANITOBA 1985 DEATHS BY AGE GROUP

AGE IN YEARS	MALES			FEMALES			BOTH SEXES		
	POPN IN 000'S	DEATHS	DEATH RATE	POPN IN 000'S	DEATHS	DEATH RATE	POPN IN 000'S	DEATHS	DEATH RATE
UNDER 1	8.4	118	14.0	8.1	66	8.1	16.5	184	11.2
1 - 4	33.6	21	0.6	31.4	22	0.7	65.0	43	0.7
5 - 9	39.8	17	0.4	37.7	7	0.2	77.5	24	0.3
10-14	41.2	8	0.2	39.4	9	0.2	80.6	17	0.2
15-19	43.0	58	1.3	41.3	14	0.3	84.3	72	0.9
20-24	50.9	70	1.4	49.4	15	0.3	100.3	85	0.8
25-29	47.3	61	1.3	46.8	22	0.5	94.1	83	0.9
30-34	42.5	56	1.3	43.0	36	0.8	85.5	92	1.1
35-39	38.2	60	1.6	38.2	26	0.7	76.4	86	1.1
40-44	29.7	56	1.9	29.3	42	1.4	59.0	98	1.7
45-49	24.8	103	4.2	24.7	48	1.9	49.5	151	3.1
50-54	24.2	176	7.3	24.3	110	4.5	48.5	286	5.9
55-59	24.0	276	11.5	25.4	181	7.1	49.4	457	9.3
60-64	23.2	446	19.2	26.8	226	8.4	50.0	672	13.4
65-69	19.3	522	27.0	22.4	312	13.9	41.7	834	20.0
70-74	16.5	723	43.8	20.3	418	20.6	36.8	1141	31.0
75-79	10.8	727	67.3	14.9	534	35.8	25.7	1261	49.1
80-84	6.5	661	101.7	9.8	563	57.4	16.3	1224	75.1
85-89	2.8	394	140.7	5.4	571	105.7	8.2	965	117.7
90 AND OVER	1.3	386	296.9	3.2	667	208.4	4.5	1053	234.0
UNKNOWN		1			1			2	
TOTALS	527.9	4940	9.4	541.8	3890	7.2	1069.7	8830	8.3

NOTE: DEATH RATE IS DEATHS PER 1000 POPULATION.
POPULATION FIGURES ARE 1985 PRELIMINARY POSTCENSAL ESTIMATES.

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

V. AGE-SPECIFIC DEATHS

From Table V, it can been seen that the number of deaths steadily rose as age increased. However, there was a high number of deaths in the first year of life, which did not fit in with this pattern.

There were 184 (2.1%) of the deaths in the first year of life. This is a death rate of 11.2 per 1,000 people of this age. The lowest death rate was for those between the ages 10 and 14, where there were 17 (0.2%) deaths, a rate of 0.2. The most deaths occurred between the ages 75 and 79, where there were 1,261 (14.3%). The highest death rate occurred in the highest age group. There were 1,053 deaths of those aged 90 years or more, a rate of 234.0 for this group.

MALES

There were 118 (2.4%) deaths of males less than a year of age, a death rate of 14.0 for this age group. The most male deaths occurred between the ages 75 and 79, where there were 727 (14.7%) for a death rate of 67.3. There were 723 (14.6%) male deaths recorded in the 70 to 74 age group but because of the higher number of people, the death rate was 43.8, approximately 2/3 that of the 75 - 79 age group. The fewest male deaths for an age group was 8 (0.2%), for those between ages 10 and 14. For this age group, the death rate for males was 0.2, lower than in any other. The highest male death rate (296.9) was for the age group, 90 and over.

FEMALES

There were 66 (1.7%) female deaths of less than a year of age as shown in Table V. This represents a death rate of 8.1. The most female deaths occurred in the highest age group, where 667 (17.1%) of the deaths occurred, a rate of 208.4 per 1,000 females. The fewest female deaths were between the ages 5 and 9, where there were 7 (0.2%). The female death rate for this age group was 0.2.

The female death rates were higher than the corresponding male rate for the 1 - 4 and 10 - 14 age categories. For all other ages, the male death rate was higher than the female rate.

TABLE VI

MANITOBA INFANT DEATHS BY AGE : 1985

AGE	MALES		FEMALES		BOTH SEXES	
	DEATHS	DEATH RATE	DEATHS	DEATH RATE	DEATHS	DEATH RATE
UNDER 1 DAY	27	3.0	25	2.9	52	3.0
1 - 6 DAYS	35	3.9	13	1.5	48	2.7
7 - 13 DAYS	13	1.5	2	0.2	15	0.9
14 - 27 DAYS	7	0.8	3	0.3	10	0.6
28 DAYS-3 MONTHS	13	1.5	10	1.2	23	1.3
3 - 6 MONTHS	11	1.2	7	0.8	18	1.0
6 MONTHS-1 YEAR	12	1.3	6	0.7	18	1.0
NEONATAL	82	9.2	43	5.0	125	7.1
POST-NEONATAL	36	4.0	23	2.7	59	3.4
INFANT	118	13.2	66	7.7	184	10.5
PERINATAL	127	14.1	96	11.1	223	12.6

NOTE: INFANT DEATH RATES ARE PER 1000 LIVE BIRTHS.
PERINATAL DEATH RATES ARE PER 1000 TOTAL BIRTHS.

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

VI. INFANT DEATHS

Infant deaths are deaths among those of less than 1 year of age. These deaths are further classified as being neonatal or post-neonatal. Neonatal deaths are deaths among infants less than 28 days of age. Post-neonatal deaths are infant deaths of 28 days of age or more. Another class of infant deaths is the perinatal death. A perinatal death is a death at less than 7 days of age or a stillbirth.

From Table VI, it can be seen that there were 184 infant deaths (2.1% of all deaths) in Manitoba, 125 (67.9%) of which were neonatal, and 59 (32.1%) of which were post-neonatal. There were 223 perinatal deaths.

Most of the neonatal deaths were also perinatal deaths, as 52 (41.6%) of the deaths were of those less than 1 day of age, and 48 (38.4%) were of those between 1 and 6 days of age. The neonatal death rate was 7.1 per 1,000 live births. Of the 223 perinatal deaths, 123 (55.2%) were stillbirths. The perinatal death rate was 12.6 per 1,000 total births, where total births are defined to be live births and stillbirths combined.

MALES

There were 118 male infant deaths (64.1% of all infant deaths) of which 82 (69.5%) were neonatal and 36 (30.5%) post-neonatal deaths. There were also 127 perinatal deaths. Most of the male neonatal deaths were also perinatal. There were 27 male deaths (32.9% of male infant deaths) of less than 1 day of age, and 35 (42.7%) aged 1 to 6 days. Of the 127 perinatal deaths, 65 (51.2%) were stillbirths.

FEMALES

There were 66 (35.9% of all infant deaths) female infant deaths in 1985. Of these, 43 (65.2%) were neonatal, 23 (34.8%) were post-neonatal, and there were 96 female perinatal deaths, 58 (60.4%) of which were stillbirths. There were 25 (37.9%) female infant deaths on the first day of life, and 13 (19.7%) between the ages 1 and 6 days.

TABLE VII

INFANT DEATHS BY TYPE AND ECONOMIC REGION : 1985

BOTH SEXES

	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
TYPE									
INFANT	3	4	6	4	148	2	4	13	184
NEONATAL	0	2	4	1	111	0	3	4	125
POST-NEONATAL	3	2	2	3	37	2	1	9	59
STILLBIRTHS	1	0	7	4	88	2	8	13	123
PERINATAL	1	1	11	5	177	2	11	15	223
RATE									
(per 1,000 live births)									
INFANT	6.7	5.9	3.4	7.4	12.9	4.6	6.0	8.6	10.5
NEONATAL	0.0	3.0	2.3	1.9	9.7	0.0	4.5	2.6	7.1
POST-NEONATAL	6.7	3.0	1.1	5.6	3.2	4.6	1.5	6.0	3.4
STILLBIRTHS	2.2	0.0	4.0	7.4	7.7	4.6	12.0	8.6	7.0
PERINATAL (per 1,000 total births)	2.2	1.5	6.3	9.2	15.3	4.6	16.2	9.8	12.6

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

VII. INFANT DEATHS BY TYPE AND ECONOMIC REGION

As shown in Table VII, Winnipeg recorded 148 (80.4%) of the 184 infant deaths in Manitoba during 1985. The North, with 13 (7.1%) was the only other region to record more than ten during 1985. There were only 2 infant deaths recorded in the Interlake.

Of the 148 infant deaths in Winnipeg, 111 (75.0%) were neonatal while the other 37 (25.0%) were post-neonatal. For the South West, 4 (66.7%) of the 6 infant deaths were neonatal and 2 (33.3%) were post-neonatal. However for the North 4 (30.8%) were neonatal and 9 (69.2%) post-neonatal. The Southeast, North Central and Interlake regions also had fewer neonatal than post-neonatal deaths.

When expressed per 1,000 live births, Manitoba had an infant death rate of 10.5. Winnipeg at 12.9 infant deaths per 1,000 live births, was the only region above the provincial figure while the Southwest at 3.4 and Interlake at 4.6 were well below.

When perinatal deaths are examined, Winnipeg had 177 (79.4%) of the 223 perinatal deaths in Manitoba. The North with 15 (6.7%), Southwest and Parklands with 11 (4.9%) each and North Central with 5 perinatal deaths (2.2%) accounted for many of the remaining 46 perinatal deaths that occurred outside Winnipeg.

Manitoba had a perinatal rate of 12.6 per 1,000 live births. Regions with rates above the provincial figure are Parklands (16.2) and Winnipeg (15.3). The South Central region had a perinatal rate of only 1.5 based on 1 perinatal death.

Detailed information on infant deaths by age, sex and Economic Region is shown in Tables D1-D3.

VIII. CONCLUSION

The natural increase is the number of births minus the number of deaths. For Manitoba in 1985, there was a natural increase of 8,683. This is a rate of 8.1 per thousand population. The natural increase of the female population was higher than that of the male population.

Winnipeg had the highest natural increase, with 6,198 more births than deaths (71.4% of the provincial natural increase). The highest rate of natural increase was found in the North, where there was an excess of 16.2 births over deaths per 1,000 population. Winnipeg's rate was also high at 10.5. Low rates of natural increase occurred in the Parklands and in the South East, while the Interlake region actually had a natural decrease of 4, which is a rate of 0.1 more deaths than births per 1,000 population. The rate of natural increase was higher for females than it was for males in every region.

Most live births occurred between the weights 2.5 kg and 4.5 kg. Males tended to be born at higher weights than females, on the average. Most stillbirths occurred at weights below 2 kg, with many between 0.5 kg and 1 kg in weight. The rate of stillbirth was very high for the lower weight classes.

There were few deaths between the ages 1 and 39. The number of deaths of males was highest between the ages 65 and 84, while for females, the most deaths occurred at ages over 75. Male death rates were higher than female death rates over all age groups, except between ages 1 to 4 and 10 to 14. Most infant deaths occurred in the first week of life.

TABLE A1

BIRTHS BY WEIGHT BY ECONOMIC REGION : 1985

BOTH SEXES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500g	0	0	2	0	12	0	1	1	16
500- 999	0	1	2	0	51	0	0	0	54
1000-1499	0	0	4	0	66	0	0	3	73
1500-1999	0	1	18	4	164	1	4	7	199
2000-2499	8	13	44	10	459	7	17	44	602
2500-2999	39	62	211	78	1576	44	84	150	2244
3000-3499	153	215	593	171	4120	152	255	520	6179
3500-3999	162	262	608	212	3581	150	215	512	5702
4000-4499	76	98	219	52	1212	62	78	213	2010
4500-4999	10	18	36	9	205	16	13	52	359
5000-5499	1	2	2	1	33	4	2	9	54
5500-5999	0	0	1	0	5	0	0	0	6
6000g OR MORE	0	0	0	0	4	0	0	1	5
UNKNOWN	0	1	0	1	8	0	0	0	10
TOTAL	449	673	1740	538	11496	436	669	1512	17513

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

TABLE A2

BIRTHS BY WEIGHT BY ECONOMIC REGION : 1985

MALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500g	0	0	2	0	5	0	0	0	7
500- 999	0	1	2	0	29	0	0	0	32
1000-1499	0	0	2	0	41	0	0	2	45
1500-1999	0	1	8	3	85	0	3	4	104
2000-2499	5	6	23	7	218	1	6	22	288
2500-2999	15	27	83	32	685	16	32	77	967
3000-3499	62	92	278	73	1933	70	108	253	2869
3500-3999	92	149	323	128	1948	91	120	258	3109
4000-4499	46	62	128	26	720	41	54	130	1207
4500-4999	9	11	23	4	146	12	7	33	245
5000-5499	0	1	1	1	26	3	1	7	40
5500-5999	0	0	1	0	4	0	0	0	5
6000g OR MORE	0	0	0	0	1	0	0	0	1
UNKNOWN	0	1	0	1	5	0	0	0	7
TOTAL	229	351	874	275	5846	234	331	786	8926

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

TABLE A3

BIRTHS BY WEIGHT BY ECONOMIC REGION : 1985

FEMALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500g	0	0	0	0	7	0	1	1	9
500- 999	0	0	0	0	22	0	0	0	22
1000-1499	0	0	2	0	25	0	0	1	28
1500-1999	0	0	10	1	79	1	1	3	95
2000-2499	3	7	21	3	241	6	11	22	314
2500-2999	24	35	128	46	891	28	52	73	1277
3000-3499	91	123	315	98	2187	82	147	267	3310
3500-3999	70	113	285	84	1633	59	95	254	2593
4000-4499	30	36	91	26	492	21	24	83	803
4500-4999	1	7	13	5	59	4	6	19	114
5000-5499	1	1	1	0	7	1	1	2	14
5500-5999	0	0	0	0	1	0	0	0	1
6000g OR MORE	0	0	0	0	3	0	0	1	4
UNKNOWN	0	0	0	0	3	0	0	0	3
TOTAL	220	322	866	263	5650	202	338	726	8587

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

TABLE B1 STILLBIRTHS BY WEIGHT BY ECONOMIC REGION : 1985 BOTH SEXES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500g	0	0	1	0	15	0	0	0	16
500- 999	0	0	0	1	16	2	2	3	24
1000-1499	0	0	3	0	8	0	0	1	12
1500-1999	0	0	1	1	3	0	0	1	6
2000-2499	0	0	1	0	10	0	0	3	14
2500-2999	0	0	0	0	12	0	3	0	15
3000-3499	0	0	1	2	5	0	2	2	12
3500-3999	0	0	0	0	5	0	1	2	8
4000-4499	0	0	0	0	4	0	0	0	4
4500-4999	0	0	0	0	1	0	0	0	1
5000-5499	0	0	0	0	0	0	0	0	0
5500-5999	0	0	0	0	0	0	0	0	0
6000g OR MORE	1	0	0	0	9	0	0	1	11
UNKNOWN	1	0	7	4	88	2	8	13	123
TOTAL									

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

TABLE B2

STILLBIRTHS BY WEIGHT BY ECONOMIC REGION : 1985

MALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500g	0	0	1	0	7	0	0	0	8
500- 999	0	0	0	0	9	2	2	2	15
1000-1499	0	0	2	0	7	0	0	1	10
1500-1999	0	0	0	0	1	0	0	1	2
2000-2499	0	0	1	0	3	0	0	1	5
2500-2999	0	0	0	0	4	0	3	0	7
3000-3499	0	0	0	1	2	0	2	1	6
3500-3999	0	0	0	0	4	0	0	1	5
4000-4499	0	0	0	0	3	0	0	0	3
4500-4999	0	0	0	0	1	0	0	0	1
5000-5499	0	0	0	0	0	0	0	0	0
5500-5999	0	0	0	0	0	0	0	0	0
6000g OR MORE	1	0	0	0	1	0	0	1	3
UNKNOWN	1	0	4	1	42	2	7	8	65
TOTAL									

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

TABLE B3

STILLBIRTHS BY WEIGHT BY ECONOMIC REGION : 1985

FEMALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500g	0	0	0	0	8	0	0	0	8
500- 999	0	0	0	1	7	0	0	1	9
1000-1499	0	0	1	0	1	0	0	0	2
1500-1999	0	0	1	1	2	0	0	0	4
2000-2499	0	0	0	0	7	0	0	2	9
2500-2999	0	0	0	0	8	0	0	0	8
3000-3499	0	0	1	1	3	0	0	1	6
3500-3999	0	0	0	0	1	0	1	1	3
4000-4499	0	0	0	0	1	0	0	0	1
4500-4999	0	0	0	0	0	0	0	0	0
5000-5499	0	0	0	0	0	0	0	0	0
5500-5999	0	0	0	0	0	0	0	0	0
6000g OR MORE	0	0	0	0	8	0	0	0	8
UNKNOWN	0	0	3	3	46	0	1	5	58
TOTAL									

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

TABLE C1

DEATHS BY AGE GROUP AND ECONOMIC REGION : 1985

BOTH SEXES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 YEAR	3	4	6	4	148	2	4	13	184
1-4 YEARS	0	0	6	2	26	0	3	6	43
5- 9	0	0	5	1	14	1	1	2	24
10-14	0	0	1	0	9	0	1	6	17
15-19	5	3	6	3	31	3	4	17	72
20-24	3	6	11	3	40	5	8	9	85
25-29	2	6	2	5	45	3	3	17	83
30-34	6	3	8	4	56	1	2	12	92
35-39	3	2	13	1	52	3	1	11	86
40-44	6	1	12	2	55	4	5	13	98
45-49	4	1	15	2	105	8	9	7	151
50-54	10	4	29	6	197	13	8	19	286
55-59	15	12	53	13	295	23	22	24	457
60-64	31	24	70	17	448	34	31	17	672
65-69	44	23	101	40	525	38	42	21	834
70-74	58	39	166	32	716	46	58	26	1141
75-79	55	71	171	47	736	75	68	38	1261
80-84	51	77	176	33	694	62	100	31	1224
85-89	49	58	147	43	530	52	72	14	965
90 AND OVER	48	58	165	50	574	67	80	11	1053
UNKNOWN	0	0	0	0	2	0	0	0	2
TOTAL	393	392	1163	308	5298	440	522	314	8830

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

TABLE C2

DEATHS BY AGE GROUP AND ECONOMIC REGION : 1985

MALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 YEAR	1	2	5	3	98	1	3	5	118
1-4 YEARS	0	0	3	1	11	0	3	3	21
5- 9	0	0	4	1	10	0	1	1	17
10-14	0	0	0	0	2	0	1	5	8
15-19	5	2	3	2	23	3	3	17	58
20-24	3	4	8	1	32	5	8	9	70
25-29	2	5	2	4	32	3	3	10	61
30-34	4	3	6	1	31	1	1	9	56
35-39	2	1	10	0	34	3	1	9	60
40-44	3	1	4	0	31	3	2	12	56
45-49	4	1	8	2	71	6	6	5	103
50-54	6	3	18	2	123	7	5	12	176
55-59	9	8	28	7	177	19	15	13	276
60-64	24	16	48	11	296	24	14	13	446
65-69	30	10	65	27	320	25	28	17	522
70-74	35	26	116	23	432	32	39	18	723
75-79	28	41	99	24	421	47	40	27	727
80-84	26	41	107	16	356	35	60	20	661
85-89	20	28	65	18	194	24	37	8	394
90 AND OVER	19	28	62	21	193	27	32	4	386
UNKNOWN	0	0	0	0	1	0	0	0	1
TOTAL	221	222	661	164	2888	265	302	217	4940

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

TABLE C3

DEATHS BY AGE GROUP AND ECONOMIC REGION : 1985

FEMALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 YEAR	2	2	1	1	50	1	1	8	66
1-4 YEARS	0	0	3	1	15	0	0	3	22
5- 9	0	0	1	0	4	1	0	1	7
10-14	0	0	1	0	7	0	0	1	9
15-19	0	1	3	1	8	0	1	0	14
20-24	0	2	3	2	8	0	0	0	15
25-29	0	1	0	1	13	0	0	7	22
30-34	2	0	2	3	25	0	1	3	36
35-39	1	1	3	1	18	0	0	2	26
40-44	3	0	8	2	24	1	3	1	42
45-49	0	0	7	0	34	2	3	2	48
50-54	4	1	11	4	74	6	3	7	110
55-59	6	4	25	6	118	4	7	11	181
60-64	7	8	22	6	152	10	17	4	226
65-69	14	13	36	13	205	13	14	4	312
70-74	23	11	50	9	284	14	19	8	418
75-79	27	30	72	23	315	28	28	11	534
80-84	25	36	69	17	338	27	40	11	563
85-89	29	30	82	25	336	28	35	6	571
90 AND OVER	29	30	103	29	381	40	48	7	667
UNKNOWN	0	0	0	0	1	0	0	0	1
TOTAL	172	170	502	144	2410	175	220	97	3890

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

TABLE D1

INFANT DEATHS BY AGE AND ECONOMIC REGION : 1985

BOTH SEXES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	0	1	2	1	43	0	3	2	52
1 - 6 DAYS	0	0	2	0	46	0	0	0	48
7 - 13 DAYS	0	0	0	0	14	0	0	1	15
14 - 27 DAYS	0	1	0	0	8	0	0	1	10
28 DAYS - 3 MONTHS	1	1	2	0	15	1	0	3	23
3 - 6 MONTHS	2	0	0	1	12	0	0	3	18
6 MONTHS - 1 YEAR	0	1	0	2	10	1	1	3	18
INFANT	3	4	6	4	148	2	4	13	184
NEONATAL	0	2	4	1	111	0	3	4	125
POST-NEONATAL	3	2	2	3	37	2	1	9	59
STILL BIRTHS	1	0	7	4	88	2	8	13	123
PERINATAL	1	1	11	5	177	2	11	15	223

NOTE: NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.
PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

TABLE D2

INFANT DEATHS BY AGE AND ECONOMIC REGION : 1985

MALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	0	0	1	0	24	0	2	0	27
1 - 6 DAYS	0	0	2	0	33	0	0	0	35
7 - 13 DAYS	0	0	0	0	12	0	0	1	13
14 - 27 DAYS	0	1	0	0	5	0	0	1	7
28 DAYS - 3 MONTHS	1	1	2	0	8	0	0	1	13
3 - 6 MONTHS	0	0	0	1	8	0	0	2	11
6 MONTHS - 1 YEAR	0	0	0	2	8	1	1	0	12
INFANT	1	2	5	3	98	1	3	5	118
NEONATAL	0	1	3	0	74	0	2	2	82
POST-NEONATAL	1	1	2	3	24	1	1	3	36
STILL BIRTHS	1	0	4	1	42	2	7	8	65
PERINATAL	1	0	7	1	99	2	9	8	127

NOTE: NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.
PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS

TABLE D3

INFANT DEATHS BY AGE AND ECONOMIC REGION : 1985

FEMALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	0	1	1	1	19	0	1	2	25
1 - 6 DAYS	0	0	0	0	13	0	0	0	13
7 - 13 DAYS	0	0	0	0	2	0	0	0	2
14 - 27 DAYS	0	0	0	0	3	0	0	0	3
28 DAYS - 3 MONTHS	0	0	0	0	7	1	0	2	10
3 - 6 MONTHS	2	0	0	0	4	0	0	1	7
6 MONTHS - 1 YEAR	0	1	0	0	2	0	0	3	6
INFANT	2	2	1	1	50	1	1	8	66
NEONATAL	0	1	1	1	37	0	1	2	43
POST-NEONATAL	2	1	0	0	13	1	0	6	23
STILL BIRTHS	0	0	3	3	46	0	1	5	58
PERINATAL	0	1	4	4	78	0	2	7	96

NOTE: NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.
POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.
PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

DATA SOURCE: OFFICE OF VITAL STATISTICS, DEPARTMENT OF COMMUNITY SERVICES AND CORRECTIONS